

| Ref # | Hits | Search Query   | DBs   | Default Operator | Plurals | Time Stamp       |
|-------|------|--|---|------------------|---------|------------------|
| S1    | 8    | ((("6582059") or ("6536874") or ("6439695") or ("6264307") or ("6235212") or ("6041600") or ("4613875") or ("3747120"))).PN. | USPAT;<br>USOCR   | OR               | OFF     | 2005/11/16 12:29 |
| S2    | 91   | 347/20,47,48,68.ccls. and ((open\$3 aperture\$1 nozzle\$1) near (vacuum air))  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR               | OFF     | 2005/07/07 14:01 |
| S3    | 0    | silverbroo-\$in. and do-\$xa.  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR               | OFF     | 2005/07/06 19:50 |
| S4    | 101  | silverbrook-\$in. and do-\$xa.   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR               | OFF     | 2005/07/07 15:05 |
| S5    | 262  | 347/20,47,48,68,84,85.ccls. and ((open\$3 aperture\$1 nozzle\$1) near (vacuum air))  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR               | OFF     | 2005/07/07 15:16 |
| S6    | 8    | S5 and (micron\$1 near nozzle\$1)  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR               | OFF     | 2005/07/07 14:02 |
| S7    | 56   | 347/68-72.ccls. and do-\$xa.   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR               | OFF     | 2005/07/07 15:05 |
| S8    | 453  | 347/48,68,84-87.ccls. and ((open\$3 aperture\$1 nozzle\$1) near (vacuum air))  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR               | OFF     | 2005/07/07 15:26 |



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| S9  | 416 | S8 and (micron\$1 near nozzle\$1 opening\$1 hole\$1)   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2005/07/07 15:17 |
| S10 | 1   | S8 and (micron\$1 near (nozzle\$1 opening\$1 hole\$1))   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2005/07/07 15:19 |
| S11 | 4   | "347"/\$.ccls. and (NGK near insulator)  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2005/07/07 15:30 |
| S12 | 32  | 347/36,48,68,84-87.ccls. and ((open\$3 aperture\$1 nozzle\$1) near waste)                        | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2005/07/07 15:26 |
| S13 | 89  | "347"/\$.ccls. and NGK   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2005/07/07 15:35 |
| S14 | 0   | S13 and (waste near control\$4)  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2005/07/07 15:31 |
| S15 | 1   | (waste near (fluid ink) near control\$3 near (hole\$1 nozzle\$1 aperture\$1)) and "347"/\$.ccls. | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2005/07/07 15:37 |
| S16 | 0   | ("2005/0146569").URPN.   | USPAT   | OR | OFF | 2005/07/07 15:37 |
| S17 | 52  | (waste near (fluid ink) near (hole\$1 nozzle\$1 aperture\$1)) and "347"/\$.ccls.                 | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2005/07/07 15:43 |



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| S18 | 13 | 347/36.ccls. and (waste near (fluid ink) near control\$4)  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2005/07/07 15:47 |
| S19 | 14 | 347/47.ccls. and (waste near (fluid ink))  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2005/07/07 15:58 |
| S20 | 2  | ((("5757391") or ("5265315")).PN.  | USPAT;<br>USOCR   | OR | OFF | 2005/07/07 15:58 |
| S21 | 4  | ("4584590"   "4680595"  <br>"4700203"   "4825227").PN.   | US-PGPUB;<br>USPAT;<br>USOCR                                      | OR | OFF | 2005/07/07 16:00 |
| S22 | 18 | ("3683212"   "4233610"  <br>"4459601"   "4471363"   "4475113"<br>  "4498089"   "4563689"  <br>"4697193"   "4716418"   "4779099"<br>  "4998120"   "5043741"  <br>"5170177"   "5182572"   "5202659"<br>  "5264865"   "5426454"  <br>"5495270").PN. | US-PGPUB;<br>USPAT;<br>USOCR                                      | OR | OFF | 2005/07/07 16:01 |
| S23 | 4  | ("5757391").URPN.  | USPAT   | OR | OFF | 2005/07/07 16:05 |
| S24 | 77 | (Hoisington-\$.in. and "347"/\$.ccls.)<br>(Higginson-\$.in. and "347"/\$.ccls.)<br>(Bibl-\$.in. and "347"/\$.ccls.)  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2005/11/16 13:27 |
| S25 | 34 | (printhead\$1 (print\$3 near head\$1)<br>(eject\$3 near device)) and nozzle\$1<br>and ((flow near path\$1) channel\$1<br>passage\$1) and piezoelectric and<br>((vacuum pump\$3) near (hole\$1<br>aperture\$1))                                   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2005/11/16 13:48 |
| S26 | 13 | ("4313124"   "4345262"  <br>"4459600"   "4463359"   "4558333"<br>  "4608577"   "4723129"  <br>"4740796"   "4926196"   "4965596"<br>  "5049898"   "5172140"  <br>"5764253").PN.   | US-PGPUB;<br>USPAT;<br>USOCR                                      | OR | ON  | 2005/11/16 13:39 |
| S27 | 3  | (printhead\$1 (print\$3 near head\$1)<br>(eject\$3 near device)) and<br>(nozzle\$1 near ((vacuum pump\$3)<br>near (hole\$1 aperture\$1)))  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2005/11/16 13:50 |



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| S28 | 2 | "6179403".pn. | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/11/16 13:50 |
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